Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 24 Aug 2023 until 23:59 on Friday 25 Aug 2023

Forecast Issued on Thursday 24 Aug 2023 at 04:44

Confidence: High confidence for the main story, with cooler and more showery conditions becoming established. Lower in the distribution and timing of any heavy showers.

Headline for Thursday 24 Aug 2023: A band of low cloud will push across the area this morning. Gradually clearing this afternoon to sunny spells.

Mountain weather hazards on Thursday 24 Aug 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** Medium Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sunny intervals	Fog	Cloudy	Sunny intervals	Sunny	Clear night
Precipitation probability					
20%	30%	30%	10%	<05%	<05%

Forecast for Thursday 24 Aug 2023

Weather: Cloud thickening from the west through the morning, giving hill fog at times, particularly in association with any patchy rain or drizzle. This band of frontal cloud then fragmenting as it pushes southeastwards to give a brighter afternoon with sunny spells. Outside chance of an isolated light shower early afternoon. Fine end to the day with lengthy sunshine and clear skies into the night.

Chance of cloud-free hill tops above 600m: 80%, soon lowering from the west to around 30% in the west. Increasing to 80% or more by early afternoon.

Low cloud and visibility: A bank of low cloud will push southeastwards this morning, in association with the frontal rain band. Bases as low as 300-400m, perhaps lower in any drizzly bursts. As the rain band fragments late-morning, cloud bases are expected to gradually lifting becoming mostly above the summits. Poor or very poor visibility in morning patchy drizzle, becoming generally very good this afternoon.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Met Office Mountain Weather Forecast

Forecast for Thursday 24 Aug 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/18 SW	9/12 W	11/15 W	14/19 W	14/19 W	11/17 W	12/18 W
300	9/14 SW	6/8 W	8/12 W	11/17 NW	10/17 W	7/13 W	8/11 SW
Valley	5/14 SW	4/8 W	7/13 W	10/18 NW	9/18 W	5/12 W	3/9 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/10	13/11	12/10	13/10	12/9	9/7	9/6
300	15/14	14/14	15/14	15/13	14/12	12/10	11/9
Valley	15/15	15/15	16/15	16/15	15/13	12/11	10/10
Freezing Level*	2900m	2600m	2400m	2700m	2100m	1700m	1800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Deteriorating conditions Thursday morning as an area of low cloud tracks across the Peaks, giving areas of hill fog and making for challenging navigation. Once cleared, then a fine day for hill walking. UV levels moderate in the afternoon.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Thu 24 Aug 2023	1mm	2mm	3.2mm

Forecast for Friday 25 Aug 2023

Weather: Clear skies to start through the early hours with a few isolated valley mist and fog patches briefly forming. Fair weather cloud bubbling up through the morning, with showers breaking out widely by the afternoon. Showers becoming more frequent Friday afternoon, turning heavy and possibly thundery at times with hail. Showers may merge to give longer spells of rain. Some clearer interludes later as showers weaken. The odd shower persisting into the night. Cooler.

Maximum wind: West 15 mph gusting 20-25 mph.

Chance of cloud-free hill tops above 600m: 70% or more throughout.

Low cloud and visibility: Early morning patches of mist or fog in the valleys will be short-lived. Scattered amounts of cloud forming through the morning with bases 500-600m, lifting above most summits by midday. Cloud bases dropping back down to near 600 m in the vicinity of any heavier showers. Generally very good visibility but poor in any heavy showers and very poor in any early morning mist or fog patches.

Temperature: **Valleys:** Plus 12 Celsius rising to plus 18 Celsius.
At 600m: Plus 10 Celsius rising to plus 13 Celsius.
Freezing level: Above summits.

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